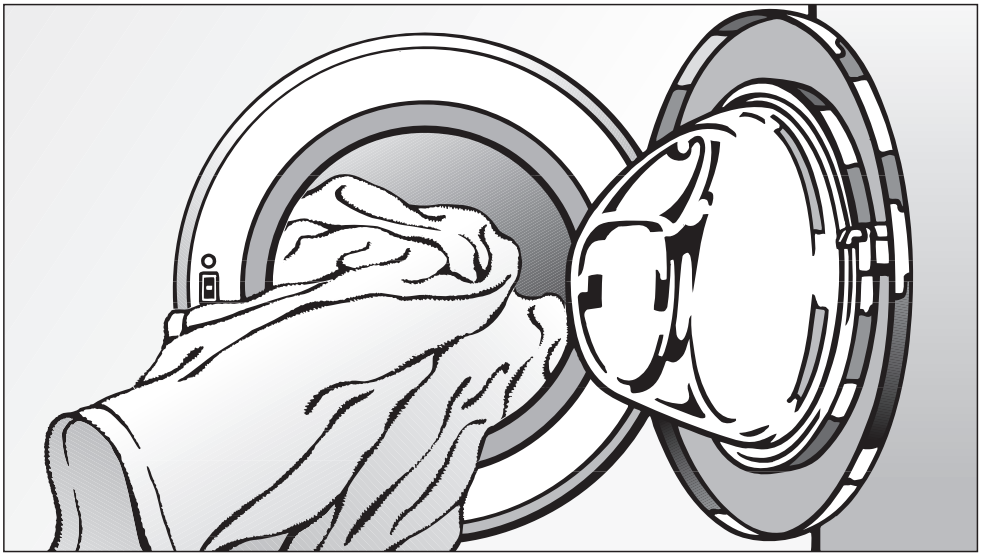
Miele

NOVOTRONIC



Operating instructions for Washing machine W 980 WPS

It is **essential** to read these operating instructions before installing or using the machine, to avoid the risk of accident, or damage to the machine.

Waterproof System

GB

M.-Nr. 04 944 960

Caring for our environment

Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled. Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old appliance

Old appliances contain materials which can be recycled. Please contact your dealer, your local waste collection centre or scrap merchant about potential recycling schemes. Ensure that the appliance presents no danger to children while being stored for disposal. See the appropriate advice in the “Warning and safety instructions”.

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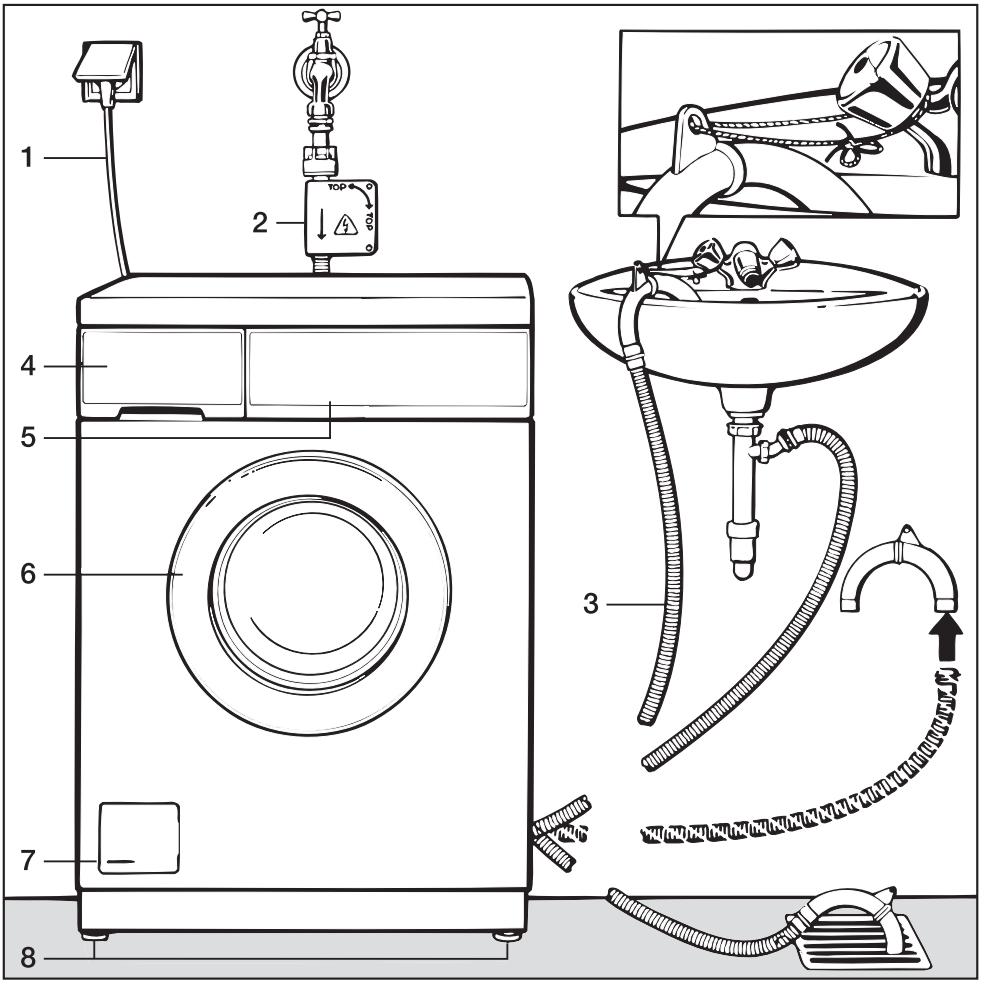
General view



1 Electric supply cable

2 Inlet hose with "Waterproof" system

3 Flexible drain hose (with detachable swivel elbow)

4 Detergent dispenser drawer

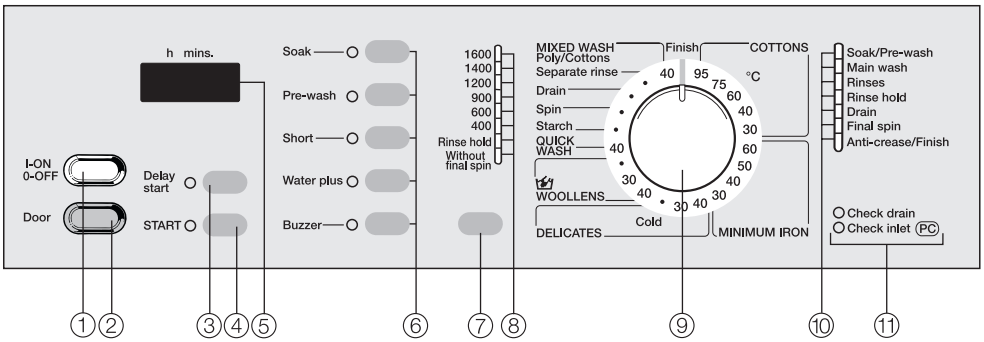
5 Facia panel with controls

6 Door

7 Access panel for drain filter, drain pump and emergency door release

8 Four height adjustable feet

Control panel



① **"I-ON / 0-OFF" button**
To switch the machine ON or OFF or to interrupt a programme.

② **"Door" button**
opens the machine door.

③ **"Delay start" button**
With delay start the start of the programme can be delayed from *30* minutes up to a maximum.of *24* hours *00* minutes.

④ **"START" button**
starts the wash programme

⑤ **Display**

Display fulfils several functions:
– shows the length of programme;
– with "delay start" shows the time until the programme starts.
– shows the programming functions when they are called up.

⑥ **Buttons for additional options**
Indicator light on = selected
Indicator light off = not selected

⑦ **"Spin" button**
for spin speed, Rinse hold and Without final spin

⑧ **Indicator lights**
showing the selected spin speed.

⑨ **Programme selector**

Can be turned clockwise or anti-clockwise.

The ring display goes out in the following circumstances:
– if a few minutes after switching on no programme selection or programme start has been selected.
– a few minutes after the programme has ended.

⑩ **Programme sequence indicator lights**

⑪ **Check lights**

Read the operating instructions before using this machine for the first time. They contain important information about the safety, use and maintenance of the machine. This way you will avoid the risk of accidents and damage to the machine. Keep these operating instructions in a safe place and ensure that new users are familiar with the content. Pass them on to any future owner of the machine.

Correct usage

Only use the washing machine to wash items which are specified by the manufacturer to be machine-washable on the wash-care label, and textiles composed of hand-washable wool or wool blend fabrics as well as satin, lace, silk and other hand-washable garments.
Any other applications may be dangerous. The manufacturer is not liable for damage resulting from improper use or operation.

This appliance should not be operated by children. Supervise its use by the elderly or infirm.

Technical safety

Before setting up the machine, check it for any externally visible damage. Do not install and use a damaged machine.

Before connecting the machine, ensure that the connection data on the data plate (fusing, voltage and frequency) match the mains electricity supply. If in any doubt, consult a qualified electrician.

The electrical safety of this appliance can only be guaranteed when continuity is complete between the machine and an effective earthing system which complies with local and national regulations. It is most important that this basic safety requirement is regularly tested by a qualified electrician.
The manufacturer cannot be held responsible for the consequences of an inadequate earthing system (e.g. electric shock).

Do not connect the appliance to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

The machine is built in accordance with current safety requirements. Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept responsibility. Repairs should only be undertaken by a Miele approved engineer.
Ensure current is not supplied to the appliance while maintenance or repair work is being carried out.

The machine is only completely isolated from the electricity supply when:

– it is switched off at the wall socket and the plug is withdrawn, or
– it is switched off at the mains, or
– the mains fuse is withdrawn.

The Miele "Waterproof system" protects from water damage provided the following conditions have been met:

– the machine is correctly plumbed in and connected to the electricity supply.
– if a fault has been identified, the machine must be examined by a competent person before further use, and repaired if necessary.

Faulty components must only be exchanged for Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed.

If the connection cable is damaged it must be replaced by a special Miele cable.

Use

Do not install your washing machine in rooms where temperatures below freezing may occur. Frozen hoses may burst under pressure. The reliability of the electronic control system may be impaired at temperatures below freezing point.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the appliance guarantee.

Before using the machine for the first time, check that the transit fitting at the rear of the machine has been removed (see section on "Installation"). During spinning, a transit fitting which is still in place may result in damage to both the machine and adjacent furniture or appliances.

Turn off the stopcock if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.

Flooding danger.
If hooking the drain hose into a wash basin, check that the water can drain off quickly enough to prevent the sink from overflowing.
Make sure the drain hose is secure, so that the force of the water flowing out of the hose does not dislodge it. Otherwise this will result in flooding.

Take care to ensure that foreign objects (e.g. nails, needles, coins, paper clips, etc.) do not find their way into the machine with the washing (e.g. in pockets). Foreign objects can damage components of the machine, which in turn can result in damage to the washing.

If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale the machine only use proprietary non-corrosive descaling agents and strictly observe the instructions. Consult the Miele Customer Service Department.

Textiles which have been pretreated in solvent based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.

Never use solvent based cleaning agents in this machine, as this may result in damage to component parts and create toxic fumes. Such detergents also pose a fire and explosion hazard.

Only use dyes specified by the manufacturer as being suitable for use in a washing machine. Always observe the manufacturer's instructions carefully.

Dye removers may contain sulphur compounds which cause damage such as corrosion. Do not use dye removers in this machine.

For machines with a 'porthole' door, remember that the porthole glass will be hot when washing at very high temperatures. Do not let children touch it.

Always make sure the drum is stationary before reaching in to remove washing. Reaching into a moving drum is extremely dangerous.

Accessories

Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, guarantee, performance and product liability claims may be invalidated.

Disposal of your old machine

Before discarding an old machine unplug it. Render the plug useless. Cut off the cable directly behind the appliance to prevent misuse.

– Water consumption and energy usage are determined by the size of the load. Load to the maximum recommended for the programme selected.
– The washing times can vary considerably due to the automatic load adjustment feature. Depending on the amount of the load, the main wash may be shortened and one rinse omitted.
– Use the Mixed Wash poly/cottons programme or the Quick Wash programme for smaller amounts of laundry.
– To save energy wash normally and lightly soiled laundry at lower temperatures. The 95°C Cottons programme is probably only needed in exceptional circumstances, e.g. for oil based stains or where a very hot wash is required.
– A main wash (programme without pre-wash) is sufficient to clean normally soiled laundry.
– By using the additional option “Soak” you can select a lower temperature in the main wash.
– Use the additional option "Soak" instead of “Pre-wash" with heavily soiled laundry.
If “Soak” is followed immediately by a main wash the same suds are used.
– Use the "Short" wash option for normally or very lightly soiled laundry.
– Do not exceed the amounts of detergent which may be recommended by the manufacturer on the packaging.
– Reduce the amounts of detergent with smaller loads, (e.g. with a half load, approx. one third less detergent).
– Select the highest suitable spin speed in the wash programme when tumble drying afterwards.

Before using for the first time

Before using the machine for the first time ensure that it is correctly installed and connected. See the relevant section under "Installation".
Also check that the fluff filter is securely tightened. Otherwise there is a risk of water leakage during use.

For safety reasons spinning is not possible until the machine has been prepared for using for the first time. To activate the spinning function you must run a wash programme without any laundry).

This also activates the ball valve. The ball valve prevents detergent escaping from the suds container into the sump during a wash programme, thus making maximum use of the detergent.

The wash programme must be run without detergent.
Using detergent could result in an excessive build-up of foam.

- Turn on the stopcock.
- Press the "I-ON/0-OFF" button in.
- Turn the programme selector to "COTTONS 40°C".
- Press the "START" button.

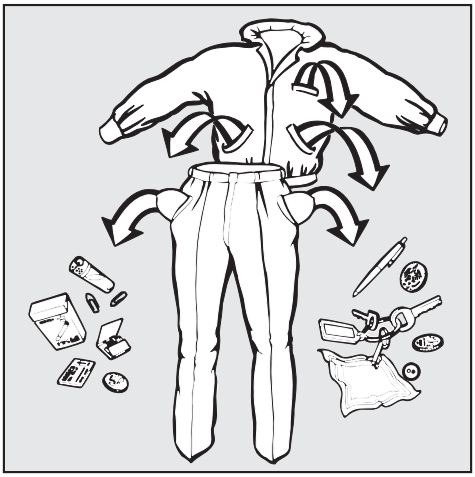
When this programme has finished your washing machine is ready for using for the first time.

Brief guide

The headings numbered (❶,❷,❸,...) show the operating sequence and can be used as a brief guide.

Before washing

❶ Prepare the wash load.



■ Empty all pockets.

Foreign objects (e.g. nails, coins, paper clips, etc.) can cause damage to textiles and components in the machine.

■ Sort the laundry

Most garments have a textile care label in the collar or side seam. Sort the washing by care label symbols. (See “Programmes - Care symbols” for their explanation).

Dark textiles often contain excess dye and should be washed separately several times before being included in a mixed load.

Delicate textiles should be washed separately in a delicates programme (use a washing bag where appropriate).

Do not wash any items in this machine which are specified by the manufacturer as **non-machine washable** on the care label. (⊠ symbol)

■ Pre-treat the laundry

Badly soiled areas, e.g. collars and cuffs, and water soluble stains can be pre-treated with bar soap, liquid detergent or detergent mixed into a solution or paste.

With particularly stubborn stains ask your dry cleaner for advice. Do not used solvent-based cleaning agents in this machine.

– Curtains:
Remove lead weights and strips or place in a laundry bag.

– Underwiring and collar stiffeners:
Any loose wiring in bras, shirt collar stiffeners, etc. should be removed or sewn in.

– Knitted garments, trousers and jeans, T-shirts and sweat shirts:
Turn inside out, if recommended by the manufacturer.

❷ Press the “Door” button.

❸ Load the drum.

Unfold washing and load loosely in the drum. To achieve best results it is advisable to make up mixed loads consisting of both large and small items. This improves the washing effect and helps distribute the load evenly to keep the machine stable and reduce the noise level during spinning.

Overloading reduces the wash result and causes more creasing.

Maximum load weights are noted below:

COTTONS	5.0 kg
MINIMUM IRON	2.5 kg
DELICATES/SYNTHETICS	1.0 kg
WOOLLENS	1.0 kg
QUICK WASH	2.5 kg
MIXED WASH (Poly/Cottons)	3.0 kg

❹ Shut the door with a light swing but do not slam it. Do not push on the door to shut it.

Make sure that no washing is trapped between the drum door and seal.

❺ Open the stopcock.

❻ Add detergent.

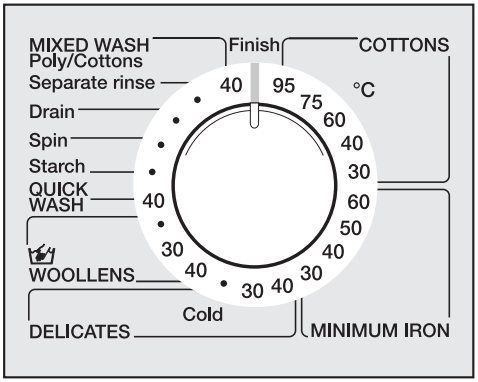
See section on “detergent” for details.

To start a programme

❼ Press in the “I-ON/0-OFF” button.

– The programme selector should be pointing to Finish, the indicator light "Anti-crease/Finish" is lit up in the sequence display.

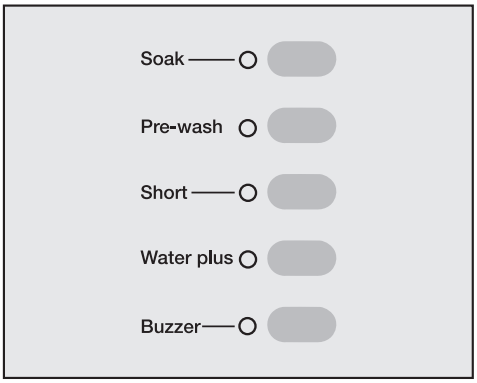
– If the programme selector is pointing to a programme, the programme time is shown in the display and the "START" button flashes.



❽ Turn the programme selector to the programme required

See "Programme survey” section.

❾ Select any additional option required.



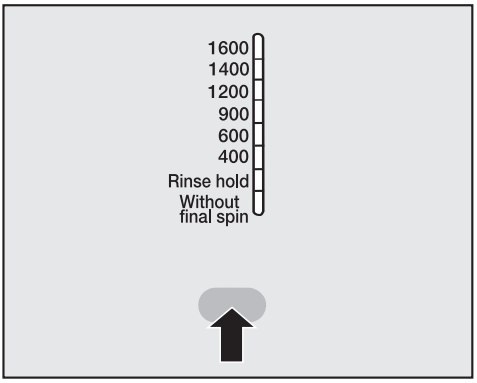
- Press the relevant button.

Indicator light **on** = selected
Indicator light **off** = not selected

An additional option that has been selected can be de-selected by pressing the button.

Exception:
With the additional option "Soak" the soak time increases each time the button is pressed, up to a maximum of 6 hours. If the button is pressed again it switches the "Soak" option off, (see section "Additional options, Soak").

❿ Select a spin speed



- Press the “Spin” button enough times until the indicator light for the required final spin speed lights up.

In some programmes the maximum spin speed is limited. The machine will not allow a higher spin speed to be selected. (see "Programme survey" section).

Memory-Function

If the last time a programme was run an additional option or different spin speed was selected, the machine will have stored this information in its memory.

The next time that programme is selected the machine offers the additional option and / or spin already stored in memory.

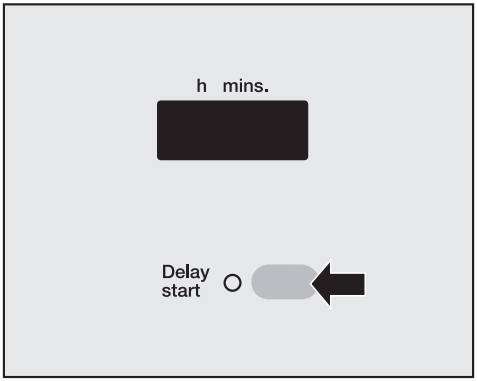
Exception:

Buzzer and Delay start

Delay start

⓫ Select delay start if required.

The start of programmes can be delayed from *30* minutes up to a maximum of *24* h *00* hours.



- Press the “Delay start” button. Each press increases the delayed time,
  - by 30 minutes up to 10 hours,
  - by one hour from 10 hours upwards.
- Delay start can be cancelled by bringing up *24* h *00* and pressing the "Delay start" button once more.

⓬ Press the “START” button

This starts the programme.

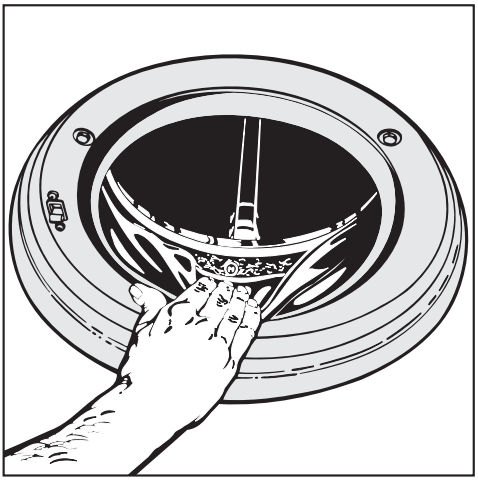
After washing

⓭ Press the “Door” button.

⓮ Press and release the “I-On/0-Off” button.

⓯ Remove the washing.

Only remove washing from the machine once the drum has stopped turning, otherwise you may seriously injure yourself.



⓰ Check the folds in the door seal for any small articles e.g. buttons which might be lodged there.

⓲ Close the drum door.

Otherwise there is a danger of objects being placed inadvertently in the drum. If these remained unnoticed and were washed in the next load, they could damage the washing.

Adding or removing washing after programme start

Washing can be added or removed after the programme has already started, when using the following programmes.

– COTTONS

– MINIMUM IRON

– WOOLLENS

– QUICK WASH

– Starch

– MIXED WASH

- Press the“Door” button and hold it until the door springs open.
- Add or remove items
- Shut the door.

The programme will automatically continue.

– Apart from some exceptional cases the door can be opened during all sections of **COTTONS**, **WOOLLENS, QUICK WASH, Starch** and **MIXED WASH - Poly/Cottons** (high cotton percentage) programmes.

– With **MINIMUM IRON** and **MIXED WASH - Poly/Cottons** (high polyester percentage) the door can be opened during the main wash with some exceptions.

General exceptions:

The door **cannot be** opened when:

– the suds temperature is above **55°C**.

– the additional option “Water plus” has been selected,

– programme locking is switched on,

– the programme has reached the “Final spin" stage.

Programme . . .

. . . interruption

- Press the “I-ON/0-OFF” button.
- To continue with the same programme press the“I-ON/0-OFF” button again.

. . . alteration

The machine will accept the following changes after the "Start" button has been pressed.

– selection of a different temperature, extra selection or de-selection of the “Water plus”, and “Quick wash” options can be carried out up to 6 minutes after start.

– the spin speed for final spin can be changed within the limits for the programme.

After start it is no longer possible to select a different programme.

If a different programme or 6 minutes after start another temperature is selected, the indicator light "Anti-crease/Finish" flashes. This does not affect the programme sequence. The indicator light goes out when the programme selector is set back to the programme or temperature previously chosen.

To select a different programme proceed as follows:

- With the “I-On/0-Off” button switch off the appliance.
- Turn the programme selector to "Finish".
- Switch the machine on with the “I-On/0-Off” button.
- Select a new programme.
- Press the “START” button.

. . . Skipping a programme stage

- Turn the programme selector to “Finish”.

As soon as the programme sequence light starts flashing for the stage at which the programme should continue:

- Turn the programme selector switch to the appropriate programme within 4 seconds.

When programme locking has been activated the programme cannot be changed or a programme stage left out.

All modern detergents produced for automatic washing machines are suitable, including liquid, compact (concentrated), tablets and special application detergents. Use dispensing aids, e.g. balls, if these are supplied with the detergent.

Woollens and knitwear containing wool mixtures and hand-washable garments should be washed using a detergent specifically designed for washing woollens.

Silk should be washed using a liquid detergent specifically designed for washing woollens. Do not use biological detergents on silk as the enzymes will eat the silk!

Add detergent according to the amount recommended on the packaging. The right amount to dispense will depend on the following:

– The quantity of laundry.

– The soiling level of the laundry.

  Lightly soiled
  No visible dirt or stains. Possibly slight body odour.

  Normally soiled
  Visibly dirty and/or just a few slight stains.

  Heavily soiled
  Stains and soiling clearly visible.

– The water hardness level
  Check with your local water supplier if you do not know the water hardness level.

Water Hardness

Hardness range	Type of water (hardness)	Hardness level in mmol / l	°dH German
I	soft	0 - 1.3	0 - 7
II	medium	1.3 - 2.5	7 - 14
III	hard	2.5 - 3.8	14 - 21
IV	very hard	over 3.8	over 21

It is important to dispense the correct amount, because . . .

. . . too little has the following results:

– Laundry will not be properly clean and will in time become grey and hard to the touch.

– Greasy particles cling to the laundry.

– Lime deposits on the heater elements.

. . . too much results in the following:

– Excessive foam.

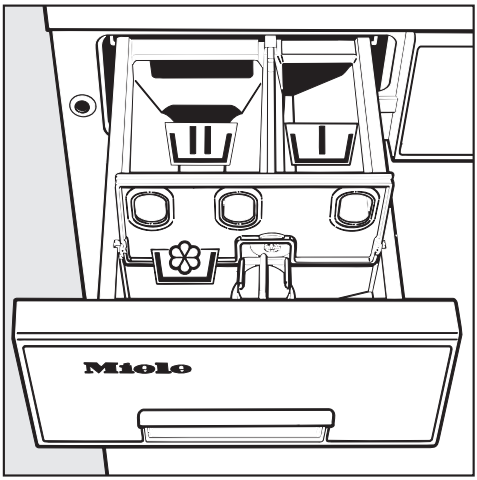
– Low level of agitation.

– Poor washing, rinsing and spinning results.

– High water consumption (an additional rinse cycle will automatically switch in).

– Burdening the environment.

Adding detergent



= Compartment soak/pre-wash

= Compartment main wash

= Compartment fabric conditioner

Water is taken in through compartment in the pre-wash.

Water is taken in through compartment in the main wash. If the capacity of compartment is insufficient for the amount of detergent needed for a COTTONS programme (e.g. in very hard water areas), the machine can be programmed so that water and detergent can also be taken into the main wash through compartment , see “Programmable functions”, “Activating compartment ”.

Water softeners

A water softener can be used to cut down on the use of detergents in water hardness ranges II-IV. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.

Use a quantity of detergent as for soft water.

If you wash using several components (e.g. special application detergents), we recommend always dispensing the agents into compartment in the following order:

1. Detergent

2. Water softener

3. Stain salts

This way the agents are distributed more efficiently.

Fabric conditioners, texturisers, liquid starch

Fabric conditioners make garments soft and fluffy to handle and help prevent static cling when tumble drying.

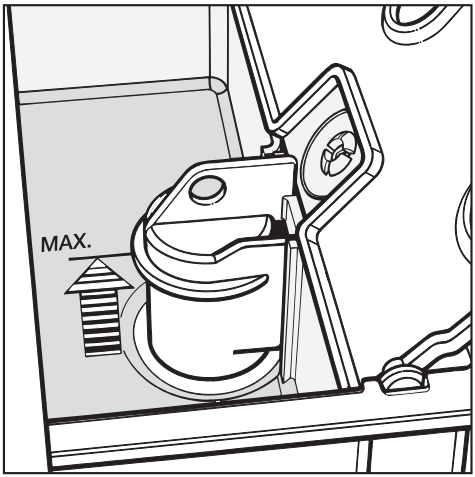
Texturisers are synthetic starch formulations and give body to items e.g. shirts, tablecloths and bed linen.

Starch gives body to items of washing.

- Dispense according to the amount specified on the packaging.

Automatic fabric conditioners, texturisers, or liquid starch

- Open the lid of compartment ❀.



- Add the fabric conditioner, texturiser or liquid starch. **Do not exceed the maximum level mark.**
- Close the compartment lid.
- Push the drawer back in.

The conditioner, texturiser or liquid starch is automatically dispensed in the last rinse. At the end of the programme a small amount of water remains in the fabric conditioner compartment ❀.

If starching frequently, clean the dispenser compartment and especially the siphon tube and conditioner channel. (See section on the detergent dispenser drawer in "Cleaning and Care") .

Separate fabric conditioner or texturiser

- Add fabric conditioner or texturiser to the compartment ❀.
- Turn the programme selector to “Starch”.
- Select a spin speed.
- Press the “Start” button.

Starching separately

- Measure and prepare starch in accordance with the manufacturer’s instructions.
- Add the starch to compartment ⊔.
- Turn the programme selector to “Starch”.
- Select a spin speed.
- Press the “Start” button.

Programmes

Programme selection

Programme	Fabric	Temperature	max. spin speed
COTTONS	Cottons and linen fabrics, eg bed linen, table linen, towelling, jeans, underwear, T-shirts, nappies.	95°C to 30°C	1600
COTTONS	Wash load as for standard tests	60°C	1600
MINIMUM IRON	(60°C) white nylon, white polyester fabrics (50°C), coloured nylon, polyester, cotton and viscose fabrics with special finishes, acrylic, cotton fabrics, coloured polyester / cotton fabrics, (40°/30°C) minimum iron fabrics not washable at higher temperatures	60°C to 30°C	900
DELICATES	Acrylics, acetate and triacetate, socks and stockings in man-made fibres, (not wool or wool blends)	40°C to cold	600
	Curtains, specified machine-washable by the manufacturer (pre-wash probably advisable).	30°C to cold	600
WOOLLENS	Programme for machine-washable or hand-washable wool or wool blend fabrics	40°C to cold	1200
	Also suitable for satin, lace, silk and other hand washable garments.*		*
QUICK WASH	Very lightly soiled fabrics, which can be washed in the Cottons programme.	40°C to cold	1600
Starch	Table cloths, napkins, overalls, uniforms	cold	1600
Spin	Articles which can be spun, eg handwashed items, max weight according to fabric		1600
Drain			
Separate rinse	Fabrics which were washed by hand and only need to be rinsed and spun.	cold	1200
MIXED WASH Poly/Cottons	Suitable for small loads of garments made from man-made fibres and cotton garments which can be washed together. Sort according to colour.	40°C	900

cold: If “Cold” is selected for the temperature, the water is warmed to 24°C. This uniform temperature helps the effect of the detergent.

max. load	Additional options	Notes
5 kg	– Soak – Pre-wash – Short – Water plus (Option 1,2,3,4)	With heavily soiled items select "Soak" or "Pre-wash". Wash dark colours in liquid detergent. For normally soiled items select "Short".
5 kg		For test institutes: Programme setting for tests according to EN 60456 Standard Programme
2.5 kg	– Soak – Pre-wash – Short – Water plus (Option 1,2,4)	With heavily soiled items select "Soak" or "Pre-wash" For normally soiled items select "Short"
1 kg	– Soak – Pre-wash – Short	Use the Wool programme for textiles with wool content
Fill the drum loosely 1/2 to 3/4 full	– Soak – Pre-wash – Short	Dust in curtains usually makes pre-wash advisable.
2 kg Do not overload		Use liquid wool detergent.
		Hand washable garments will not shrink, stretch, matt or felt beyond the accepted tolerance. *For satin, lace, silk and other hand washable garments manually reduce the spin speed or select without final spin.
2.5 kg	– Water plus (Option 1,2,4)	Add less detergent (half load)
5 kg		The washing should be washed, but not treated with fabric conditioner.
5 kg		
5 kg		
3 kg	– Soak – Pre-wash – Short – Water plus (Option 1,2,3*,4*)	The water level, number of rinses and programme time are set automatically in relation to composition of the washing (see "Programmes" Sequence). *Option is only carried out with a high proportion of cotton.

See Section on Additional options for more details.

Programmes

Sequence

	COTTONS [1]	MINIMUM IRON [1]	DELICATES	WOOLLENS
Soak	optional	optional	optional	–
Pre-wash	optional	optional	optional	–
Main wash	●	●	●	●
Top-up rinse from 75°C	programmable	–	–	–
Graduated rinsing	–	from 40°C	–	–
No. of rinses				
– normal	3 or 4 [2]	3	3	2
– medium load	2	2	–	–
– short	2	2	3	–
Rinse and interim spin (rpm)	max. 1000	max. 500	–	max. 600
Final spin (rpm)	max. 1600	max. 900	max. 600	max. 1200
Anti-crease, and loosen	max. 30 mins	max. 30 mins	max. 30 mins	–
Rinse-hold	optional	optional	optional	optional
Without final spin	optional	optional	optional	optional
Wash rhythm	normal	normal	gentle action	wool
Water level – Wash	low	low	high	medium
– Rinse	low	medium	high	medium

Explanations:
- ● Programme section included
- – Programme section not included

[1] Load recognition:
The programme sequence is modified in these programmes according to the absorbency of the load.
[2] A 4th rinse automatically switches in if there is too much foam in the drum, or if a spin speed lower than 700 rpm has been selected.

Wool:
Wool is susceptible to damage from movement when it is wet. The wash action during the course of the programme is low.

QUICK WASH	Starch	Spin	Separate rinse	MIXED WASH [1]	
				high cotton content	high polyester content
–	–	–	–	optional	optional
–	●	–	–	optional	optional
●	–	–	–	●	●
–	–	–	–	–	–
–	–	–	–	–	●
2	–	–	2	3 or 4[2]	3
2	–	–	–	2	2
–	–	–	–	2	2
max. 500	–	–	–	max. 900	max. 500
max. 1600	max. 1600	max. 1600	max. 1200	max. 900	max. 900
max. 30 mins	max. 30 mins	max. 30 mins	–	max. 30 mins	max. 30 mins
optional	optional	–	optional	optional	optional
optional	optional	–	optional	optional	optional
normal	normal	–	gentle action	normal	normal
low medium	low –	– –	high	low low	low medium

Top-up rinse (programmable):
At the end of the main wash additional water flows into the drum, and the suds are cooled slightly. Hot water might damage plastic drain pipes.

Graduated rinsing:
The suds are cooled at the end of the wash cycle by water flowing in and being pumped away at intervals thereby minimising crease formation.

Rinse and interim spin:
There is a spin between the rinses.

Final spin:
The maximum spin speed according to the programme can be selected with the Spin button. In the programmes MINIMUM IRON, DELICATES, WOOLLENS, Separate rinse and MIXED WASH the spin speed is automatically limited to the above stated maximum spin speed.

Anti-crease, and loosen:
The anti-crease action guards against the tendency for creases to set in when fabrics have been left in the drum for a long time. There is drum movement twice a minute.

Care symbols

Washing

Cottons 95°C, 75°C

Cottons 60°C

Cottons 40°C

Cottons 30°C

Minimum iron 60°C, 50°C

Minimum iron 40°C

Minimum iron 30°C

Delicates 40°C

Delicates 30°C

hand wash

do not wash

dry clean

do not dry clean

suitable for chlorine bleach

do not use chlorine bleach

Tumble dry

at normal temperature

at low temperature

do not tumble dry

Ironing

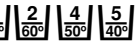
hot iron

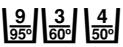
medium hot iron

cool iron

do not iron

N.B. If you have any textiles with the older wash care labels, select a programme according to the label below.

Cottons 

Minimum iron 

Delicates

Woollens

To select an additional option to the basic programme press the button for that option. The indicator light for the option button comes on.

If an additional option is chosen which is incompatible with the basic programme, (see the "Programme Survey"):

– the indicator light goes out when the button is released.

Soak

For heavily soiled and stained items with dried-on stains, or ones which cannot be bleached out, (e.g. blood, fats and oils, cocoa).

A length of time of between 30 minutes and 6 hours can be chosen, in 30 minute periods, for the "Soak" process.

Setting soak time

❶ Select a programme.

❷ Press the “Soak” button repeatedly until the length of time required for soaking is reached. Each press of the button increases soak time by 30 minutes.

– The indicator light next to the ’Soak’ button flashes.

– Important
The soak time chosen will be added to the original programme duration in the "time" display.

❸ Press the “Start” button, unless "Delay start" is to be selected. The indicator light for the ’Soak’ button stays on.

Deleting soak time

Keep pressing the “Soak” button, the indicator light goes out.

Adding detergent for the Soak option:

– Programmes without pre-wash:
Add the total amount into compartment ⅢⅢ or directly on to the washing in the drum.

– Programmes with pre-wash:
1/4 of the detergent should be added to compartment Ⅱ for "soak" and "pre-wash", 3/4 of the detergent into compartment ⅢⅢ for the main wash.

Pre-wash

For heavily soiled and stained items

Short

This shortens the programme running. For lightly soiled items.

In the COTTONS, MINIMUM IRON and MIXED WASH-Poly/Cottons programmes only two rinse cycles are carried out with a higher water level.

Water plus

The water level increases in "soak", pre-wash", "main wash" and / or "rinses", and / or an extra rinse can be carried out.

You can choose between four options for the "Water plus" button.

The options can be called up through one of the programmable functions, (see Water plus system in the Section on programmable functions).

Buzzer

At the end of the programme or when Rinse hold is reached an audible tone sounds repeatedly.

The buzzer sounds until the machine is switched off.

Switching off the additional options

If an additional option is switched on (and the corresponding button indicator light is lit up), the option can be switched off by pressing the button again. The indicator light goes out.

Spin

A final spin is carried out at the end of each of the basic programmes, if a spin speed had been selected.

"Without final spin"

Washing is not spun after the final rinse. After water has been drained the machine switches automatically to the anti-crease phase.

Interim rinse and spin is carried out in the relevant programme sections.

"Rinse hold"

The washing remains suspended in water after the final rinse.

This helps to reduce the possibility of creasing if the washing is left for some time before being taken out of the machine.

Interim rinse and spin is carried out in the relevant programme sections.

To continue the programme:

with final spin
Select the required spin speed with the Spin button under the Spin selection display.

without final spin
Press the Spin button under the spin display once to highlight "without final spin". The machine pumps the water away.

Electronic programme locking

Programme locking prevents the machine from being opened or the programme cancelled during a wash programme.

Switching on programme locking

❶ Select a programme, (see Brief guide to washing correctly).

❷ Press the “START” button for at least 5 seconds.

Programme locking is now activated.

The machine will now not accept any changes, and the wash programme proceeds through to the end.

At the end of the wash programme, the programme locking is discontinued, so that a new wash programme can be chosen.

Switching off programme locking early

❶ Press the “Start” button for at least 5 seconds.

Exception:

The indicator light "Anti-crease/Finish" in the Sequence display flashes.

❶ Turn the programme selector to the programme previously chosen. The "Anti-crease/Finish" light goes out.

❷ Press the START button for at least 5 seconds.

To check if programme locking is switched on

■ - Press the ’Spin’ button.

– If the spin speed indicator light does not change:

Programme locking is activated.

– If the spin speed indicator light changes:

Programme locking is not activated.

The time left shows in the display, or the time left plus soak time or the delay start period.
In addition it serves as a display for the programmable functions.

Delay start

A period of delay shows in the display.

After the appliance has started the delay start time counts down.

If a delay start is higher than *10* hours it will count down hourly, from *9* h *59* it will count down in minutes.

Once the delay start period is completed the programme begins and the actual programme duration shows in the display.

See the section "How to wash correctly (Programme start)".

Time left display

At the beginning of a programme, the maximum duration of a programme is shown in hours and minutes, where delay start has not been selected.

In the Cottons, Minimum Iron and Mixed Wash Poly/Cottons programmes the type and volume of the wash will be monitored during the first water inlet phase. With a part load the time may now be shortened by up to 60 minutes.

Soak

If a time is selected for soaking, this is added to the prescribed running time for the programme and the total shown in the display.

Example:
The COTTONS 60°C programme is selected:

– The display shows a programme running time of *1* h *58*.

– A soaking time of one hour is chosen.

– The display shows a total running time of *2* h *58* .For more detailed information on soaking see the section Additional options "Soak".

The programmable functions enable the user to introduce further features as required. The programmable functions remain stored in memory until they are cancelled by the user.

The following programmable functions can be selected:

P1 = Water level

The water level for rinsing is automatically raised to the maximum level where rinse results are particularly important.

Effective for the rinses in programmes:

– COTTONS

– MINIMUM IRON

– QUICK WASH

– MIXED WASH - Poly/Cottons

P2 = Water plus system

The "Water plus" button offers four options, increasing water level and / or bringing in an extra rinse cycle.

Option 1

Increase in the rinse water level in the Cottons, Minimum iron, Quick Wash and Mixed wash - Poly/Cottons programmes, where for example rinse results are particularly important.

Option 2

Increase in the water level in soak, prewash, main wash and rinses for Cottons, Minimum iron, Delicates, Quick wash, and Mixed wash particularly for fabrics that need special care, or where extra attention must be given to dissolving detergent. This option is already set when the machine is delivered from the factory.

Option 3

An extra rinse cycle is introduced to the Cottons programme, e.g. when rinse results are particularly important.

Option 4

Is Option 2 plus Option 3, where this quality of rinse is required.

P4 = Activating the II compartment

For the first 10 seconds of the main wash cycle, water flows in through compartment II.

Compartment III may sometimes not be able to hold the total amount of detergent required:

– when the water is very hard (over 3.8 mmol/l, water hardness level IV) and

– the washing is heavily soiled.

In this case compartment II can be used to flush in the extra detergent for the main wash.

P9 = Gentle action

For gentle washing of slightly soiled items. Drum action is reduced.

Gentle action can be used with the Cottons, Minimum iron, Quick Wash, Mixed wash and Starch programmes.

If "Gentle action" has been programmed, every wash cycle in these programmes is carried out with gentle action rhythm.

P10 = Top-up rinse for Cottons

At the end of the main wash additional water flows into the drum and the suds are cooled down.

Hot suds can damage plastic drainage pipes.

Top-up rinse takes place when temperatures of 95°C and 75°C are selected.

P11 = Memory function

If an additional option is selected for a programme, and / or the spin speed is altered, the machine stores these changes in memory at the start of a programme.

The memory function is active when the machine is first delivered, but can be programmed to be switched off.

See the following pages for how to programme the programmable functions.

Programming and storing in memory

The programmable functions are activated using the additional option buttons and the programme selector in special combinations, which introduce extra features not marked up on the control panel.

Programming is carried out in four steps:

1. Select programming mode
2. Select programmable function
3. Activate or deactivate programmable function
4. Store the programmable function in memory

1. Selecting programming mode

❶ The machine must be switched off and the drum door closed. The programme selector must point to "Finish".

❷ Press the additional option buttons "Soak" and "Pre-wash" at the same time and hold pressed in and:. . .

❸ . . . switch the machine on with the “I-ON/0-OFF”-button.

❹ Release all these buttons.

P 0 appears in the "time" display.

2. Selecting a programmable function

❺ For the programmable function required turn the programme selector to the setting given:

– for *P1* **High Water level**
to – MIXED WASH Poly/Cottons –

– for *P2* **Water plus system**
to – Separate rinse –

– for *P4* **activate ⊔ compartment**
to – Spin –

– for *P9* **Gentle action**
to – WOOLLENS 40°C –

– for *P10* **Activate top-up rinse for COTTONS wash**
to – DELICATES cold –

– for *P11* **Memory Function**
to – DELICATES 30°C –

❻ In the Display the *P* now flashes alternating with the number of the programmable function
e.g. *P...1...P...1*

The following also appears on the right:

0 = Programmable function is not active

1 = Programmable function is active

with *P 2*, a *2* appears on the right = Option 2 is active.

3. To activate or deactivate a programmable function.

For the programmable functions *P1*, *P4*, *P9*, *P10*, *P11*.

❼ Pressing the “Start” button once will make the display message change from “*0*” to “*1*” (active), or from “*1*” to “*0*” (not active).

For the programmable function *P2*

❼ By pressintg the “Start” button you can select various options.

If *1* appears on the right = Option 1

If *2* appears on the right = Option 2

If *3* appears on the right = Option 3

If *4* appears on the right = Option 4

4. Storing the programmable function in memory

❽ Switch the machine off with the “I-ON/0-OFF” button.

Now you can start the wash programme that you want.

The programmable function is now stored in memory and is available at any time, until it is deleted.

Cleaning the washing machine

- Clean the casing with a mild non-abrasive detergent or soap and water. Wipe dry with a soft cloth.
- Clean the facia panel and flap with a damp cloth and dry with a soft cloth.
- The drum can be cleaned using a suitable proprietary stainless steel cleaner.

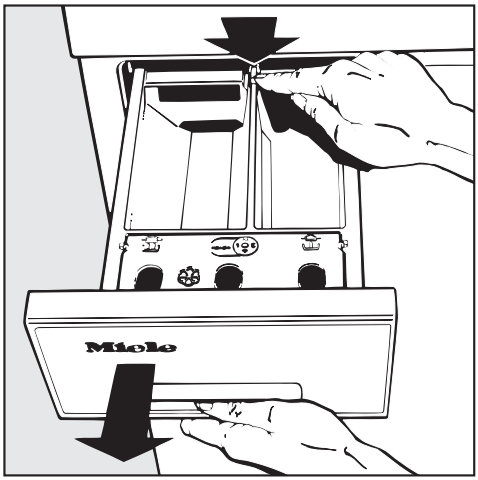
Do not use abrasive cleaners, glass cleaners or all-purpose cleaners. These might cause damage to the plastic surfaces because of the chemicals they contain.

Extra cleaning

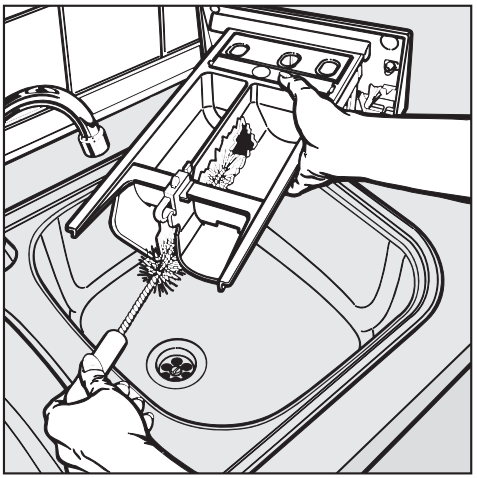
Carrying out a hot wash (70°C or above) with powder detergent approx. once every six weeks will help to ensure that no deposits build up in the machine. These can occur when washing is mainly done at low temperatures, and also lead to unpleasant smells. If you have no reason to wash laundry occasionally at this high temperature, then carry out a 95°C Cottons programme as a cleaning cycle with powder detergent and no washing, at regular intervals.

Cleaning the detergent dispenser drawer

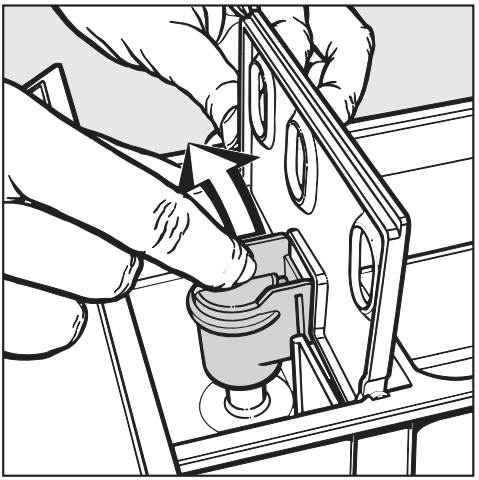
- Pull out the detergent dispenser drawer until a resistance is felt.



- Press down the red release catch and at the same time pull the drawer right out of the machine.



- Clean the dispenser compartments and conditioner channel.
  Regularly remove any detergent residues.



- Remove the siphon tube from compartment ❀.
  Wash under running warm water and put back.

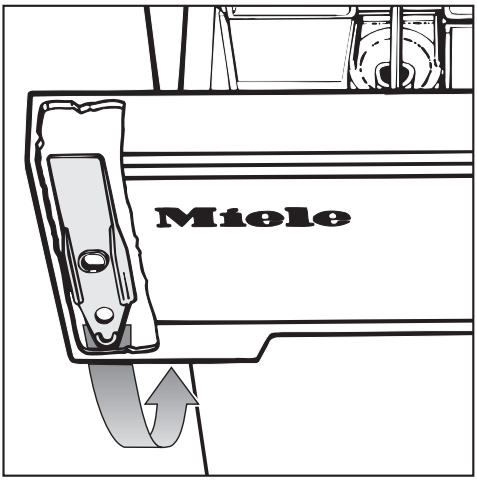
Cleaning the fluff (drain) filter and pump

Check the fluff (drain) filter initially after 3-4 washes to ascertain how often it is likely to require cleaning.

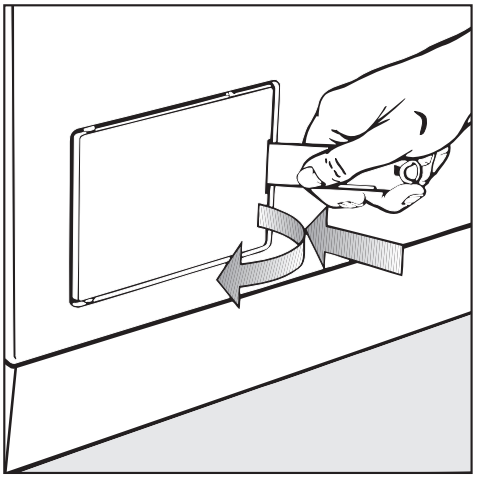
With normal cleaning approx. 2 litres of water run out.

If the drain outlet is clogged, more water will be retained in the machine **(up to 25 litres)**.

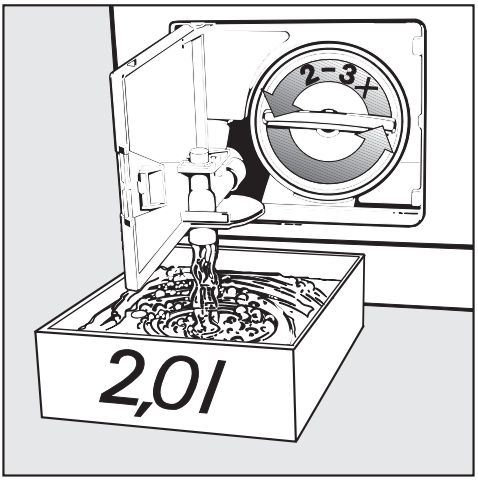
Caution: If laundry has been washed at a high temperature, water draining out of the machine will still be hot.



Take the (yellow) filter flap opener from behind the detergent drawer facia panel, (see illustration above).

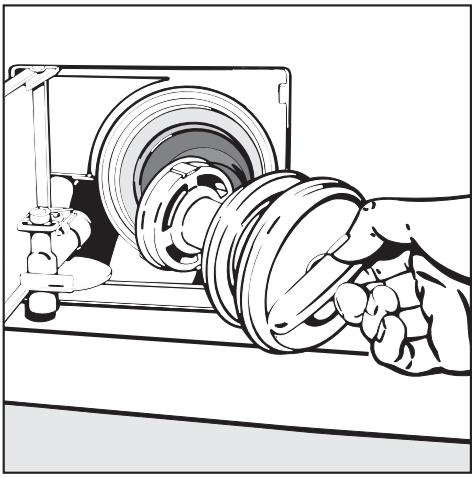


- Open the flap.
- Place a dish under the drain fixture.

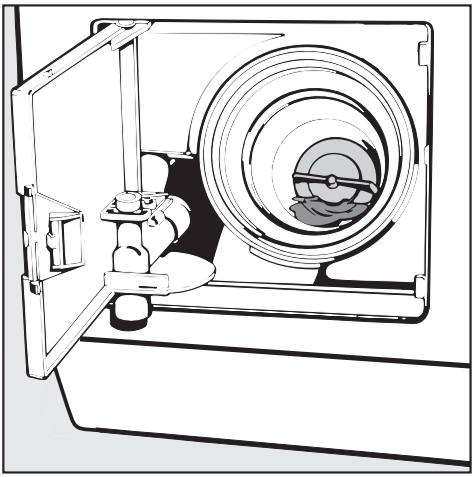


- Turn the fluff filter lid round 2-3 times. **Do not** take it right out.

With large volumes of water, when the dish is full screw the fluff filter back into position, and empty the dish before re-peating the procedure.



- Once the flow of water ceases, remove the fluff filter completely.
- Clean the fluff filter thoroughly.



- Remove any foreign objects (e.g. buttons, coins, etc.) and fluff.
- Turn the impeller by hand to check that it is free to rotate. Any foreign objects causing an obstruction should be removed.
- Clean the inside of the fluff filter housing.

Remove any deposits of lime scale and detergent or foreign objects from the thread of the filter housing and filter unit (as these objects can cause a leakage of water). Deposits of lime scale are often a sign of underdosage of powder.

- Put the fluff filter back in place and secure.

Make sure the fluff filter is securely tightened. Otherwise there is a risk of water leakage during use.

After cleaning

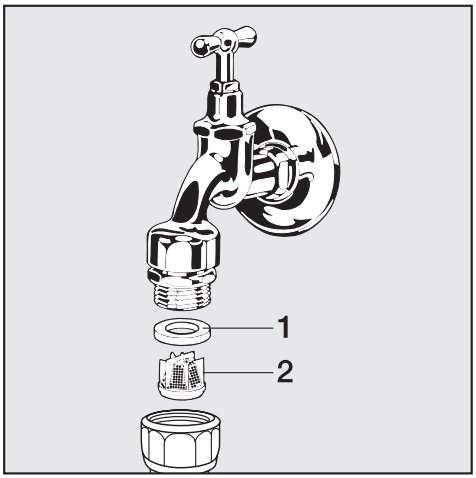
- Pour approx. 2 litres of water into the detergent dispenser compartment to reactivate the ball valve which keeps detergent in circulation in the suds.

Cleaning the filter in the water inlet

The washing machine has a filter to protect the water inlet valve.

The accessible filter in the union in the open end of the inlet hose should be checked every six months, or more often if there are frequent interruptions to the external water supply.

- First turn off the stopcock.
- Unscrew the threaded union connecting the free end of the inlet hose to the stopcock.
- Remove the rubber seal **1** from the recess.



- Using pointed pliers, take hold of the plastic filter bar **2**, remove the filter and clean.
- Put the filter and seal back in the reverse order and reconnect the hose.

Turn on the stopcock and check the connection is watertight. If water drips out, tighten the connection.

Never forget to put the filter back in place after cleaning it.

Problem solving guide

Repair work to electrical appliances should only be carried out by a suitably qualified person in accordance with local and national regulations. Unauthorised repairs could be dangerous.

What to do, if . . .	Cause . . .	Remedy . . .
. . . the programme does not begin	There is no power. The "Anti-crease / finish" light is not on, or the "START" button light is not flashing.	Check that: – the door is properly closed. – the mains plug is plugged in. – the fuse or circuit breaker has not tripped.
. . . The "Check drain" light flashes during the programme, but the programme is running normally.	The water outlet is restricted.	Clean the drain pump and fluff filter.
		Has the drain hose been fixed too high? (max drain head 1 metre).
.. . . The "Check drain" light flashes, the buzzer sounds continuously and the programme has not run normally.	The water outlet is blocked.	Clean the drain pump and fluff filter. Has the drain hose been fixed too high? (max drain head 1 metre).

What to do, if . . .	Cause . . .	Remedy . . .
. . . the “Water inlet" check light flashes during the programme but the programme is running normally.	The water inlet is restricted.	– The stopcock is not opened far enough. – the inlet hose is kinked. – the water pressure is too low – the filter in the inlet hose is dirty. Clean it.
. . . the “Water inlet" check light flashes , the buzzer sounds continuously and the laundry was not washed.	The water inlet is blocked.	– Open the stopcock. – Start the programme again.
. . . The “Water inlet" and "Check drain" lights flash, and the buzzer sounds continuously.	The Waterproof System has reacted.	Call the Service department.
. . . one of the following indicator lights is flashing **– “Soak/Pre-wash” + buzzer** **– “Wash”** **– “Rinse” + buzzer** **– “Rinse hold”**	There is a fault.	– Press “I-ON/0-OFF” button to release. – Turn the programme selector to "Finish". – Press “I-ON/0-OFF”. – Re-start the programme. – If the control light starts flashing again, call the Service dept.
. . . the wash programme finishes prematurely and three horizontal dashes “– – –” appear in the display and the buzzer sounds continuously.	There is a fault.	– Press “I-ON/0-OFF” button to release. – Turn the programme selector to "Finish". – Press “I-ON/0-OFF” button. – Re-start the programme. – If the three horizontal dashes reappear call the Service Dept.

Problem solving guide

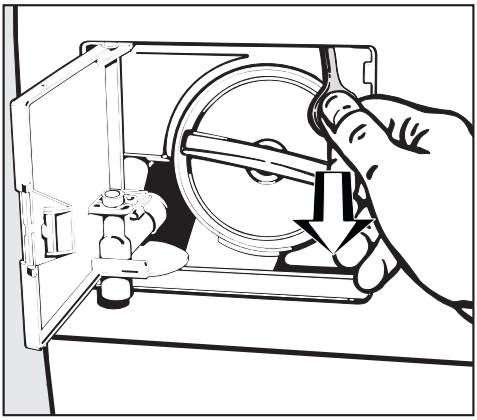
What to do, if . . .	Cause	Remedy
. . . the indicator light “Final spin” flashes.	The final spin has not taken place. The machine detected an imbalance.	– Loosen and re-distribute the washing. – Select the programme Spin or Drain. – Take into account the spin speed of the relevant programme.
. . . the indicator light "Anti-crease/Finish" flashes.	The position of the programme selector was altered after the start of the programme.	Turn the programe selector back to the programme previously chosen.
. . . the light ring has not lit up.	This is not a fault.	See the Section “Description of the appliance”.
. . . the drum door cannot be opened.	The appliance is not plugged in to the electricity supply.	Put the plug in the socket.
	Power cut.	See "What to do", the section on how to open the door in a power cut.
	The door was not correctly engaged.	Press hard against the lock side of the drum door and then press the "Door" button.
	There is still water in the drum.	– Select the "Drain" programme for the water to be pumped out. – Open the drum door.
	The suds temperature is higher than 55°C.	
. . . the machine shakes during the spin cycle.	The four feet are not resting evenly on the floor.	Level the machine. See 'Installation advice'.
. . . the washing has not been spun satisfactorily.	The spin speed selected was too low.	Select a higher spin speed next time.
	The load was not distributed sufficiently evenly in the drum. To protect the machine laundry was only spun at a reduced speed.	Always mix large and small items in the load.
. . . the pump makes strange noises.	These noises occur at the end of a pump sequence as a normal part of the operation. They are not a fault.	

What to do, if . . .	Cause	Remedy
. . . large residues of detergent remain in the dispenser drawer.	The water supply pressure is too low.	– Clean the filter in the water inlet system. – It may be useful to select “Water plus”.
	Washing powder used with water softener tends to become sticky.	Pour washing powder into the dispenser before adding any water softener.
. . . fabric conditioner is not completely dispensed or too much water remains in the compartment.	The siphon tube is either incorrectly positioned or clogged.	Clean the siphon tube.
	The fabric conditioner channel is clogged.	Clean the fabric conditioner channel.
. . . grey, greasy particles cling to washed laundry.	Insufficient amounts of detergent were used to break down the particles of grease in heavily soiled laundry.	– Add more detergent. – Before washing the next load run a “COTTONS 95°C” programme without a load. (See "Extra cleaning" in Cleaning and Care).
. . . there are white residues which look like powder detergent on the washing.	The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. These have ended up on the washing.	– Use detergents containing no zeolites to re-wash the load. – Liquid detergents usually contain no zeolites. – Try and brush off the residues with a soft brush.
. . . liquid detergent does not give the required result.	Liquid detergents do not contain bleaching agents. They do not remove fruit, coffee and tea stains.	– Use a general purpose washing machine powder containing a bleaching agent. – Pour stain remover (salts) into the dispenser drawer compartment, and liquid detergent into a dispenser ball. – Never put stain salts and liquid detergent together in the dispenser drawer.

Opening the drum door in the event of a power failure

- Switch off the washing machine.
- Open the fluff (drain) filter flap and drain the water as described in "Cleaning and care", (fluff (drain) filter and pump).

Caution: if laundry has been washed at a high temperature, water draining out of the machine will still be hot.



- Pull the emergency door latch downwards (see illustration). The machine door will then open.

Always make sure the drum is stationary before reaching in to the machine to remove washing. Reaching into a moving drum is extremely dangerous.

To check water pressure

- Place a bucket under the stopcock.
- Turn on the stopcock.

If 5 litres of water flow into the bucket in 15 seconds the water pressure is correct.

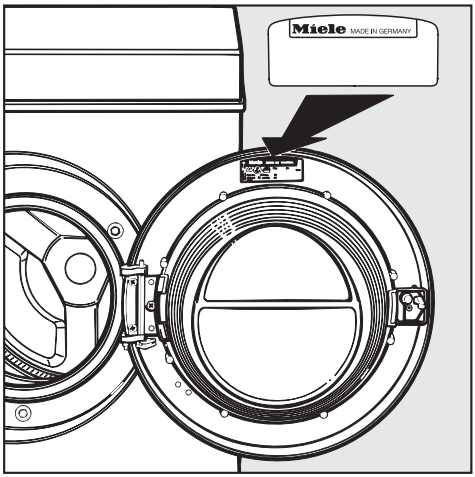
Customer contact

In the event of any faults which you cannot remedy yourself please contact

– Your Miele Dealer or

– Your nearest Miele Service department (see back cover for the address).

When contacting the Service Department, please quote the Model and Serial nos. of your appliance, both of which are shown on the data plate visible above the porthole glass when the door is opened.



Please note that telephone calls may be monitored and recorded to improve our service.

Future updates (PC)

The indicator light or check light marked PC is reserved for the service engineer, for updates to your machine in future years.

When for example technological developments offer advanced modifications to your existing programme cycles, a service engineer will be able to input these into your machine controls.

Miele will provide information when such possibilities become available.

Installation surface

A concrete floor is the most suitable installation surface for a washing machine, being far less prone to vibration during the spin cycle than wooden floorboards or a surface with "soft" properties.

Please note the following points:

- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.
- If installing on a wooden joist floor, we recommend a plywood base at least 30 mm thick, 590 x 520 mm wide. The base should span several joists and be bolted to the joists, not only to the floorboards. Check for the presence of pipes and cables first. The most stable part of the floor is usually in the corner.

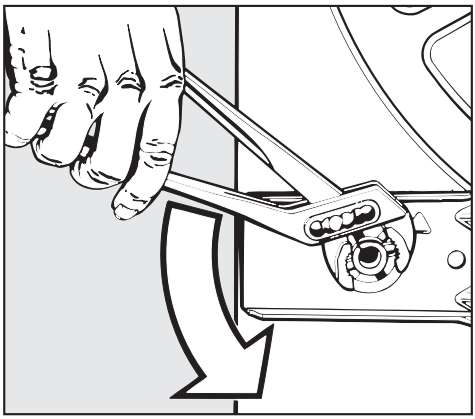
If the machine is installed on a raised plinth, it **has to be** secured against slippage during spin using retaining clips (available from the Miele Spare Parts Dept).

Installation

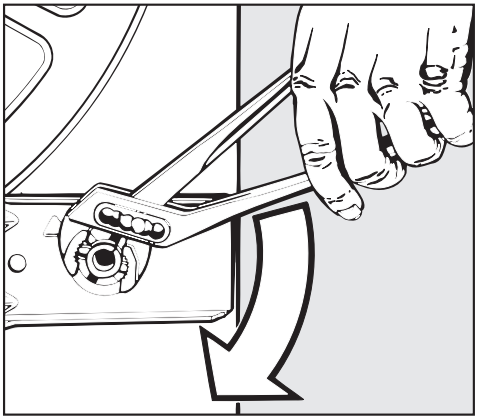
Lift the machine from its packaging base and move it to its site. Please note:

- Do not lift the machine by the drum door.
- Ensure that the machine feet and the floor are dry to prevent the machine from slipping during the spin cycle.

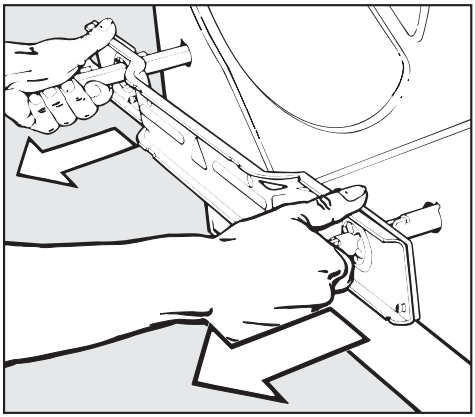
Removing the transit fitting



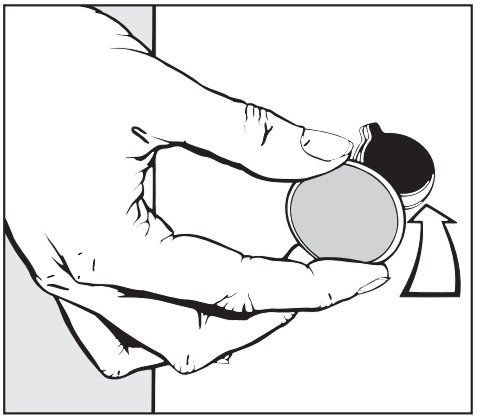
- Turn the left-hand transit bar 90°.



- Turn the right-hand transit bar 90°.



- Withdraw the two bars together with the support plate.



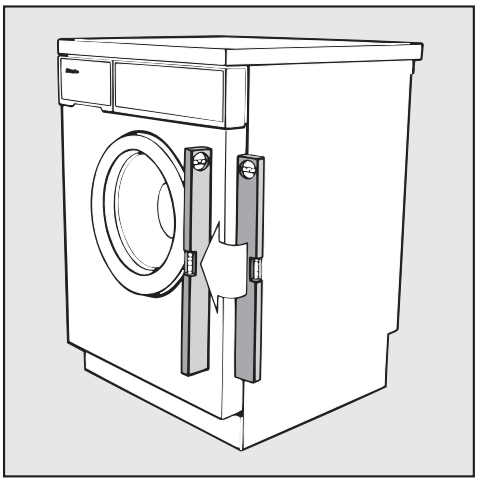
- Plug the two holes with the plastic caps supplied.

The machine should not be moved without the transit fitting in place.

The transit fitting should be stored in a safe place for future use. It must be re-fitted if the machine is to be moved again. Re-fitting is carried out by reversing the procedure.

Levelling the machine

The machine must stand perfectly level on all four feet to ensure safe and proper operation.



Incorrect installation may increase electricity and water consumption and may cause the machine to move about.

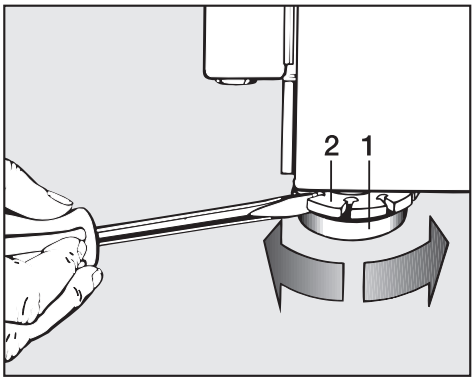
The four adjustable screw feet are used to level the machine. All four feet are screwed in when the machine is delivered.

Screwing out and adjusting the feet

- Gently tip the machine and prop it up using a solid wooden wedge for example, to ensure stability.

Make sure the machine does not slip as this could cause injury.

- With a screwdriver loosen and turn the foot **1** together with the counternut **2** to the left, (see illustration below) and screw out.
- Put the machine back on all four feet.
- Use a spirit level to check the machine is standing level.



- Hold the foot **1** firm using a pipe wrench and turn the counternut **2** to the right firmly up against the housing with a screwdriver.

All four counternuts must be firmly up against the housing. Please also check this for the feet which did not need adjustment. Otherwise there is the danger of the machine moving about.

Building under

To build this appliance under a continuous worktop / in a kitchen run:

- A special building under conversion kit* is required. The machine lid must be replaced by a cover plate. To ensure electrical safety the cover plate must be fitted. **
- Fitting instructions are supplied with the conversion kit.

N.B.**

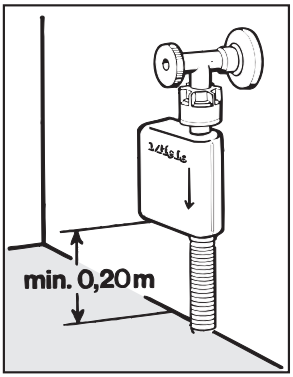
If you wish to push your machine under a worktop and there is space to do this **without removing the lid**, the conversion kit is not necessary. Otherwise the conversion kit is essential.

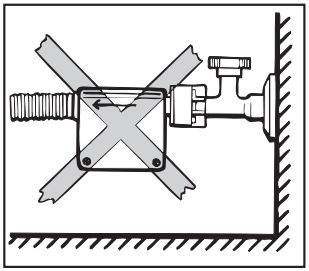
- For installation under a work surface 900/910 mm from the floor, a raising kit* is required.
- Connections for electricity, water and drainage should be installed in such a way that they remain accessible when the machine is in place.

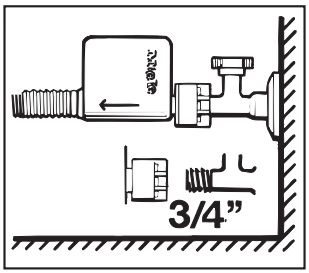
Washer and Dryer stack

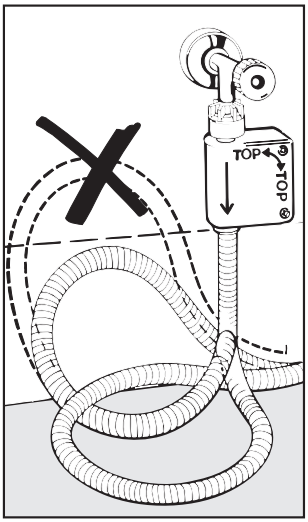
A Miele tumble dryer can be stacked with the washing machine. A stacking kit* is necessary and can be purchased from the Miele Spare Parts Department.

All parts marked* are available from the Miele Spare Parts or Sales Department, and must be fitted by a suitably competent person according to the instructions supplied with the kit.









Connection to water supply

Fitting

The machine should be connected to a mains water supply in accordance with standard regulations. In Germany the washing machine is not required to have a non-return valve as it has been designed to comply with the relevant German DIN standard.

The machine is designed to operate with a minimum water pressure of 1 bar if 5 litres of water flow into a suitable container in 15 seconds. The static water pressure must not exceed 10 bar. If it is higher than 10 bar it is essential to fit a reducer valve.

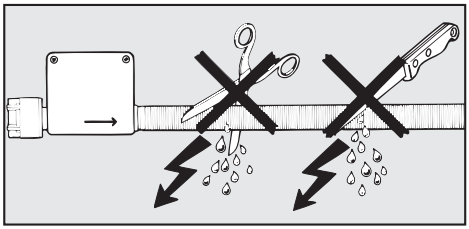
The **Miele Waterproof-System** connected between the stopcock and the machine offers the safest protection against water leaks.

For the Waterproof system to function correctly, it may only be fitted in the positions shown (see illustrations).

Connection to the mains water supply should incorporate a mains stopcock with 3/4” thread. The stopcock should be fitted by a qualified plumber.

The connection point is subject to mains water pressure. Turn on the stopcock slowly and check for leaks. Correct the position of the washer and union if appropriate.

The "Waterproof system" is NOT suitable for connection to a hot water supply.



The protective sleeve of the hose must not be damaged (see illustration).

The "Waterproof system" with a hose length of approx. 4.5 metres is available as an optional extra from your Miele dealer or the Spare Parts Department.

Function

At the heart of this leak protection system there is an **electric safety valve**, which works like an automatic stopcock.

The Miele "Waterproof system" protects from water damage in the following cases:

Protection in the event of a leaking machine.

Any leaking water is collected in a sump in the base of the appliance. A float switch switches the safety valve off electrically. No more water will flow in.

Protection in the event of a leaking water inlet hose

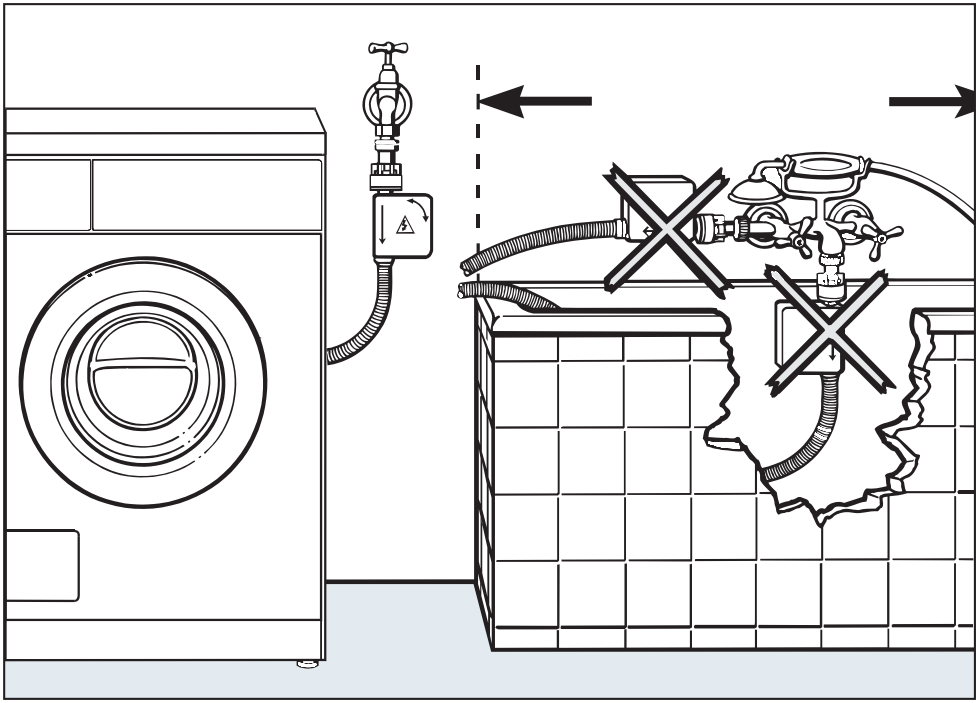
Leaking water is fed into the sump through the protective covering which surrounds the inlet hose as a "second skin". The float switch turns off the water supply.

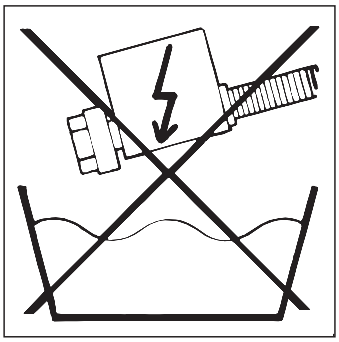
Maintenance

N.B. If you intend to unscrew the "Waterproof system" unit from the mains water supply it is essential that the machine is first disconnected from the electricity supply.

Only use a genuine Miele "Waterproof system" able to withstand pressure of up to 70 bar, should you ever need a replacement.

To protect the filters in the water inlet valves the dirt filter in the "Waterproof system" connection must not be removed.





The "Waterproof system" must only be connected to its own stopcock. It must not be connected to mixer taps or similar.

Important!

The plastic casing of the water connection contains an electric component.

Do not dip into any liquid!

Connection to the drainage system

The machine drains via a drain pump with a delivery head of 1 metre.

The drain hose is 1.5 m long. It must not be kinked as this restricts drainage. The swivel elbow at the end of the hose can be turned in either direction, or can be detached if required, with a sharp twist and pull.

Drain hose connection:

- Direct into a sink: Hook the hose over the edge and secure. Make sure that the water can flow freely to avoid flooding and to prevent water from being sucked back into the machine.
- Connected to a floor gully.
- Connected to a standpipe.
- Connected to a plastic drain pipe with a rubber nipple. There is no need to use a non-return valve.

If required, the drain hose can be extended to a length of 5 m. The necessary parts can be purchased from the Miele Spare Parts Department, or your Miele dealer.

For a delivery head of more than 1 m (up to a maximum of 1.8 m) a second Duo-drain pump is available with the corresponding conversion kit from the Miele Spare Parts Department or your Miele dealer.

Electrical connection U.K.

All electrical work should be carried out only by a suitably qualified and competent person, in strict accordance with national and local safety regulations.

The appliance is supplied with a mains cable with moulded plug for connection to a 230-240V mains supply. The voltage, rated load and fuse rating are given on the data plate. Please ensure these match the household mains supply.

Connection should be made via a fused plug and suitable switched socket which is easily accessible after installation. For extra safety it is advisable to install a residual current device (RCD), with a trip current of 30 mA. Do not connect via an extension lead.

Important

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow = earth

Blue = neutral

Brown = live

Where it is necessary to change plugs, if the colours of the wires in the mains lead of this appliance do not correspond with the coloured markings identifying the terminals of your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol ⏚ or coloured green, or green and yellow.

The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal in the plug which is marked with the letter L or coloured red.

WARNING: THIS APPLIANCE MUST BE EARTHED

Ensure power is not supplied to the appliance while installation work is being carried out.

Electrical connection U.K.
Non-rewireable plugs BS 1363

If this machine is fitted with a non-rewireable plug, the following information applies:
If the socket outlets are not suitable for the plug supplied with the product, it must be cut off and an appropriate plug fitted. The fuse carrier and fuse should be removed from the old plug and disposed of.
The plug cut from the flexible cord should then be disposed of and on no account be inserted into any socket elsewhere in the house (electric shock hazard).
The fuse cover must be refitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of plug fitted).
Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuse covers may be purchased from your local electrical supplier or Service agent.

Consumption data

Programme (without any additional options or programmable functions)	Load	Consumption data			
		Energy in kWh	Water litres	Programme time normal	short
COTTONS					
95°C	5.0 kg	1.70	49	1 h 54 mins	1 h 22 mins
60°C (1)	5.0 kg	0.95	49	1 h 58 mins	1 h 16 mins
40°C	5.0 kg	0.55	49	1 h 58 mins	1 h 06 mins
MINIMUM IRON					
40°C	2.5 kg	0.45	58	1 h 20 mins	49 mins
DELICATES					
30°C	1.0 kg	0.40	75	58 mins	48 mins
WOOLLENS					
30°C	1.0 kg	0.15	25	35 mins	–

(1) EN 60456 test programme

Consumption data can vary from the nominal values given depending on water pressure, water hardness, water inlet temperature, room temperature, type and volume of load, fluctuations in the electricity supply and any additional functions selected.

N.B.

Consumption data obtained from a machine designed for the German market.

Height	85 cm
Width	59.5 cm
Depth	60 cm
Depth with door open	97 cm
Weight	99 kg
Max. floor load	1600 Newton (approx. 160 kg)
Capacity	5 kg Dry laundry

Voltage Rated load Fuse rating	} see Data plate

Water flow pressure min.	1 bar
Static water pressure max.	10 bar
Drain pump head max.	1 m
Drain pump length max..	5 m
Test certificates awarded	Radio/TV suppression, VDE

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